

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	427/64-70,458,475,483,562,585,599,256.ccls. and (pseudo near ions)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 15:41
L2	1	427/64-70,458,475,483,562,585,599,256.ccls. and (pseudo near ions)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 15:41
L3	5	427/64-70,458,475,483,562,585,599,256.ccls. and (electrospray near ionization)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 15:41
L4	8	("20030226750"   "3296015"   "4748043"   "5585426"   "6060128"   "6331330"   "6544599").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/18 15:42
S2	177	(imamura near yoichi).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:20
S3	0	(imamura near yoichi).in. and molecular near ion near psuedo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:20
S4	2	(imamura near yoichi).in. and molecular near ion near pseudo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 15:39

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S5	1	(imamura near yoichi).in. and ion near pseudo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:22
S6	0	("2004/0256973").URPN.	USPAT	OR	ON	2007/11/14 14:52
S7	2866	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) near4 (liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:54
S8	41	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) near4 (liquid) and "427"/\$. ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:54
S9	95	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) near4 (liquid) same atomiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:49
S10	85	vapor\$4 same (electrif\$4 charg\$4 ioniz\$4) near4 (liquid) with atomiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:56
S11	104	vapor\$4 same (electrif\$4 charg\$4 ioniz\$4) with (liquid) near3 atomiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:57
S12	58	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) with (liquid) near3 atomiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:59

## EAST Search History

S13	112	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) with (liquid) near3 spray\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:02
S14	15	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) with (liquid) near3 spray\$4 and EL	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 14:59
S15	0	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) with (liquid) near3 spray\$4 and electroluminscen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:00
S16	0	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) with (liquid) and electroluminscen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:00
S17	14	(electrif\$4 charg\$4 ioniz\$4) with (liquid) and electroluminscen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:00
S18	4	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) with (liquid) near3 spray\$4 and fog\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:23
S19	2	"2001353454"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:23

## EAST Search History

S20	737	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4) with (liquid particulate particle droplet) with (atomiz\$5 spray\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:24
S21	2	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4) with (liquid particulate particle droplet) with (atomiz\$5 spray\$4) and electroluminescen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:25
S22	266	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4) with (liquid particulate particle droplet) with (atomiz\$5 spray\$4) and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 15:25
S23	205	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4) with (liquid particulate particle droplet) with (atomiz\$5 spray\$4) and electrode and potential	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:07
S24	0	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4) with (liquid particulate particle droplet) with (atomiz\$5 spray\$4) and electrode and potential and pseudo near ions	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:54
S25	3	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4) with (liquid particulate particle droplet) with (atomiz\$5 spray\$4) and electrode and potential and pseudo near4 ions	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:54
S26	12	("5235186").URPN.	USPAT	OR	ON	2007/11/15 09:46
S27	1158	ion near evaporation	USPAT	OR	ON	2007/11/15 09:46
S28	0	ion near evaporation and Electroluminexcen\$4	USPAT	OR	ON	2007/11/15 09:46
S29	90	ion near evaporation and Electroluminescen\$4	USPAT	OR	ON	2007/11/15 09:49
S30	1	ion near evaporation and Electroluminescen\$4 and fog\$4	USPAT	OR	ON	2007/11/15 09:47

## EAST Search History

S31	306	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) near4 (droplet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:49
S32	1	vapor\$4 with (electrif\$4 charg\$4 ioniz\$4) near4 (droplet) and electroluminescenc\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:50
S33	2	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4) with (liquid particulate particle droplet) and pseudo near ions	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:54
S34	36	(evaporat\$4 vapor\$4 vaporizing) with (electrif\$4 charg\$4 ioniz\$4)and pseudo near4 ions	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:58
S35	77	(electrospray near ionization ESI) and electroluminescenc\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:59
S36	33	(electrospray near ionization ESI) and electroluminescenc\$4 and potential and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 09:59
S37	0	("2004/0256973").URPN.	USPAT	OR	ON	2007/11/15 10:24
S38	26	quasimolecular near ions	USPAT	OR	ON	2007/11/15 10:25
S39	58	quasimolecular near ions	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:26

## EAST Search History

S40	32	S39 not S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:29
S41	18	electrospray near3 ionization same (pseudomolecular near3 ions)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:02
S42	1	2001-343454	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:33
S43	2	"2001343454"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:33
S44	2	"2001353454"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:53
S45	634	ion near beam same deflect\$4 with magnet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:54
S46	1486	ion near beam same deflect\$4 with magnet\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:54

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S47	55	ion near beam same deflect\$4 with magnet\$4 and "427"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 10:54
S48	1	(imamura near yoichi).in. and (deflect\$4) same ion near beam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:00
S49	177	(imamura near yoichi).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:00
S50	2	(imamura ).in. and (deflect\$4) same ion near beam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:01
S51	3	(imamura ).in. and (deflect\$4) same ion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:01
S52	30	electrospray near3 ionization same (quasimolecular pseudomolecular) near3 ion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:06
S53	80	427/66.ccls. and (charg\$4 ionize ioniz\$3 electric\$4) with (atomiz\$4 drop\$4 spray\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:08

## EAST Search History

S54	9	427/66.ccls. and (charg\$4 ionize ionization ioniz\$3 electric\$4) with liquid same (atomiz\$4 drop\$4 spray\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:24
S55	11	("6696105").URPN.	USPAT	OR	ON	2007/11/15 11:12
S56	5	("6221438").URPN.	USPAT	OR	ON	2007/11/15 11:20
S57	16	("3145156"   "3635157"   "4734228"   "4816285"   "5066512"   "5120423"   "5142343"   "5283132"   "5408109"   "5644327"   "5688551"   "5807627"   "5821690"   "5844363"   "5846595").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/15 11:20
S58	8	427/68.ccls. and (charg\$4 ionize ionization ioniz\$3 electric\$4) with liquid same (atomiz\$4 drop\$4 spray\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:28
S59	6	(US-20070245734-\$).did. or (US-6221438-\$ or US-6696105-\$ or US-5066512-\$ or US-7179756-\$ or US-7022535-\$).did.	US-PGPUB; USPAT	OR	ON	2007/11/15 11:26
S60	6	S59 and (evaporat\$4 vapor\$4 gas\$4)	US-PGPUB; USPAT	OR	ON	2007/11/15 11:26
S61	40	427/6\$.ccls. and (charg\$4 ionize ionization ioniz\$3 electric\$4) with liquid same (atomiz\$4 drop\$4 spray\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:37
S62	1	10/821964	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/15 11:37